SUREMENT BOOK

Dimensions				Contents	Reference to last Measureme
Number 3	Length 4	Breadth 5	Depth 6	7	8

BR-423/29-3-14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

NO 325/13-14
Dt. 29-03-14

191638

rial No. 1st and final Bill

me of work ..... From ..... To .....

me of Contractor of nature of Agency KRIDL

te of commencement of work..... Estimated Cost : Rs 18.00 Lks

ate	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of Work :-	Imp and Asphalting to Roads [1st to 5th BLOCK] in Ward no. 09 in Vidyarayapura Sub-Division.				Balance	BEL layout
	JOB NO :.	009-14-000036 [P.2434]					
	Work order no :.	EE/BTP/BBMP/KRIDL/447/13-14					dt: 21-2-14
	(1) Earthwork excavation by manual means in hard soil involving average horizontal throw upto 2m and an average lift upto 0.30m, excavated surface levelled and						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Sides neatly dressed, the dispersed earth to be levelled neatly after breaking of clods complete as per specification.						
	Qty vide MB no 1916 P 171512						
	⊞ ① = 405.654 m³ @ 90.72/m³						36782.42
2)	Removing of B.A. slabs of drains and stacking						
	Qty vide MB 1916 P- 191513						
	⊞ ② = 918 m² @ 50.11/m²						46000.98
3)	Refixing stone slabs of drains and pointing in cm 1:3						
	Qty as per ⊞ no. ② = 918 m²						
	@ 70.04 m²						64296.72

M.

ial No. .....

me of work ..... F

me of Contractor of nature of Agency.....

e of commencement of work.....

ate	Full description, etc, of work 2	Num 3
	4) Acorifying stone metal c with picke axes along i dressing and stacking of a lead of 1km by man all labour charges complete	
	5) providing and laying and s	

T BOOK

sions Breadth 5	Depth 6	Contents 7	Reference to last Measureme 8
Earth to be levelled as per specification.			
MB No 1916 P 191512 = 405.65 m³ @ 90.72/m³			36782.42
stacking			
MB 1916 P- 191513 = 918 m² @ 50.11/m²			46000.98
d pointing in CM 1:3			
ur II no. (2) = 918 m² @ 70.04 m²			64296.72

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191639

erial No. .....

ame of work ..... From ..... To .....

ame of Contractor of nature of Agency.....

ate of commencement of work.....

Date	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	4) Scarifying stone metal crust 50 mm to 100 mm thick with pick axes along with premix carpet surface dressing and stacking of old serviceable materials, within a lead of 100 m by manual means including costing all labour charges complete as per specifications.						
	Qty vide MB- 1916 P. 191514 II (3) = 1530 m² @ 40.50/m²						61965.00
	5) providing and laying and spreading, compacting graded						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7	8
	Surface and spraying primer at the rate of 0.60 kg/m² using mechanical measure complete as per specification.						
			Qty as per ...			306042	
						@ 44.28/m²	
7)	Providing and laying semi dense bituminous concrete 25mm thick with 100-120 tph batch type HMP producing an average output of 75 t/hr using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 kg/sq. of mixed filler, transporting the hot mix to work spot, laying with a hydrostatic paver finisher with sensor control to the required grade level and alignment						135496.0

M. A
M

al No. .....
e of work ..... Fro
e of Contractor of nature of Agency.....
of commencement of work.....

e	Full description, etc, of work	Numbe
	2	3
	Rolling with smooth wheeled, v achieve the desired compac clause no. 500.8 complete in for depression filling '11th cross-Road' BEL-25t to 4th Block (Ch. 0.00 to 460.70mt)	1 1 1 1 1 1 1 1 1

ENT BOOK

Dimensions th	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
ct of 0.60kg/m² using				
pm specification.				
an per. ... no			306042	
			@ 44.28/m²	
ominous concrete 25mm				135496.9
ne HMP producing an				
rg crushed aggregates				
ith bituminous binder at				
porting the hot mix to				
hate paver finisher with				
grade level and alignment				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191641

rial No. .....

me of work ..... From ..... To .....

me of Contractor of nature of Agency.....

te of commencement of work.....

Date	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Rolling with smooth wheeled, vibratory and tandem Roller to						
	achieve the desired compactings as per MORTH specification						
	clause no. 500.8 Complete in all Respects.				Ans		
	for depression filling	1	5.00	2.50	0.025	0.31 cum	
	'11m CROSS-Road'	1	16.80	3.20	0.025	1.34	
	BEL-237 to 4m Block	1	9.80	2.50	0.025	0.61	
	(Ch. 0.00 to 460.704)	1	10.50	2.90	0.025	0.76	
		1	20.00	3.50	0.025	1.75	
		1	18.10	2.80	0.025	1.27	
		1	16.80	2.90	0.025	1.22	

CRFC

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	22.50	2.80	0.025	1.58	
		1	18.50	2.50	0.025	1.16	
	for Road surface						
	11th cross-Road from	1	30.00	$\frac{8.80+7.4}{2}$	0.025	6.08	
	1st main to 6th main Road	1	30.00	$\frac{7.4+6.8}{2}$	0.025	5.21	
	Ch. 60.00 to 90.00m	1	30.00	$\frac{6.5+6.6}{2}$	0.025	4.91	C&T-C
	Ch. 90.00 to 120.00m	1	30.00	$\frac{6.1+6.3}{2}$	0.025	4.84	
	Ch. 120.00 to 150.00m	1	30.00	$\frac{6.3+6.8}{2}$	0.025	4.80	
	Ch. 150.00 to 180.00m	1	30.00	$\frac{6.5+6.0}{2}$	0.025	4.69	
	Ch. 180.00 m to 210.00m	1	30.00	$\frac{6.0+7.8}{2}$	0.025	5.18	
	Ch. 210.00 to 240.00	1	30.00	$\frac{7.8+5.5}{2}$	0.025	4.99	

M.
N
al No. .....
e of work ..... Fr
e of Contractor of nature of Agency.....
of commencement of work.....

e	Full description, etc, of work	Numbe
	2	3
	Ch. 240.0 to 270.0m	1
	Ch. 270.0 to 300.00m	1
	Ch. 300.0 to 330.00m	1
	Ch. 330.0 to 360.00m	1
	Ch. 360.00 to 390.0m	1
	Ch. 390.0 to 420.0m	1
	Ch. 420.00 to 450.0m	1
	Ch. 450.00 to 460.70m	1

NT BOOK

mensions			Contents	Reference to last Measurement
h	Breadth 5	Depth 6	7	8
50	2.80	0.025	1.58	
50	2.50	0.025	1.16	
00	8.80+7.4 / 2	0.025	6.08	
00	7.4+6.5 / 2	0.025	5.24	
00	6.5+6.6 / 2	0.025	4.91	C&TFC
00	6.6+6.3 / 2	0.025	4.84	
00	6.3+6.5 / 2	0.025	4.80	
00	6.5+6.0 / 2	0.025	4.69	
.00	6.0+7.8 / 2	0.025	5.18	
.00	7.8+5.5 / 2	0.025	4.99	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191642

erial No. .....

ame of work ..... From ..... To .....

ame of Contractor of nature of Agency.....

ate of commencement of work.....

ate	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Ch. 240.0 to 270.00	1	16.50	5.5+5.3 / 2	0.025	2.25	
	Ch. 270.0 to 300.00	1	30.00	5.4+5.55 / 2	0.025	4.11	
	Ch. 300.0 to 330.00	1	30.00	5.55+5.5 / 2	0.025	4.14	
	Ch. 330.0 to 360.00	1	30.00	5.5+5.3 / 2	0.025	4.08	C&FC
	Ch. 360.00 to 390.00	1	30.00	5.3+5.6 / 2	0.025	4.08	
	Ch. 390.00 to 420.00	1	30.00	5.6+6.2 / 2	0.025	4.43	
	Ch. 420.00 to 450.00	1	30.00	6.2+6.5 / 2	0.025	4.76	
	Ch. 450.00 to 460.70	1	10.70	6.5+6.5 / 2	0.025	2.27	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	15.00	$\frac{5.5+5.2}{2}$	0.025	2.01	
		1	12.50	$\frac{5.2+5.4}{2}$	0.025	1.66	
						84.4443	810485.4
					Total	84.1543	
			@ 9631.44/m				
9)	Road marking with hot applied thermoplastic compound with reflect using glass beads on bituminous surface - providing and laying of hot applied thermoplastic compound 2.5mm wide including reflectorising glass beads, at 250 gms/m2 thickness 2.5mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specification.						
		15+2	30.00	0.10	-	90.00	
		1+2	10.70	0.10	-	2.14	48139.92
		7+2	25.00	0.10	-	10.00	
		Total	102 m² @ 471.96/m2			102.1443	

CBFC

29/3/2014

Executive Engineer

Vidyaranyapura Sub Division

BBMP, Bangalore

M.

N

I No. .....

e of work ..... Fr

e of Contractor of nature of Agency.....

of commencement of work.....

e	Full description, etc, of work	Numb
	2	3
10)	Lead for disposal of debris by mechanical means in	
	Total	

CBFC

29/3/2014

Assistant Executive Engi

Vidyaranyapura Sub Divi

BBMP, Bangalore

ENT BOOK

Dimensions h	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
00	5.5+5.2 / 2	0.025	2.01	
50	5.2+5.4 / 2	0.025	1.66	
			84.4443	810485.87
		L+d Lo	84.1543	
31.44/m				
ernoplastic compound with				
uous surface - providing				
oplastic compound 2.5 kgs				
n beads, at 250 gms/m2				
of surface to level, uniform				
complete as per specifi-				
.00	0.10	-	90.00	
0.70	0.10	-	2.14	48139.72
5.00	0.10	-	10.00	
2	471.96/m2		102.1443	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191643

rial No. .....

me of work ..... From ..... To .....

me of Contractor of nature of Agency.....

te of commencement of work.....

Date	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
10)	Lead for disposal of debris shall be payable at Carriage rates by mechanical means including loading and unloading						
			Qty vide .It no ①			2405.4543	28,006.44
						@ 72.71/m	
		L+d Lo	385.1843				
						Total	16,06,43.00
			Add 11% KRDCL			Service charges	176,707.74
						G. Total	17,83,141.74

CBFC
29/3/2014

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore

29/3/2014

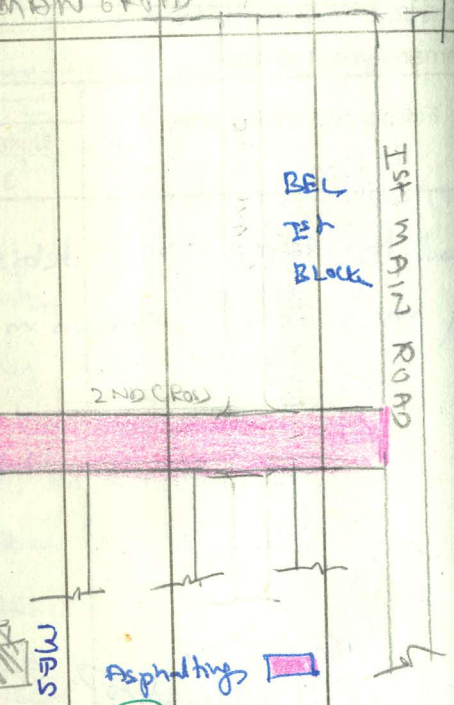
CBFC
29/3/14

BOOK

N ←

s		Contents	Reference to last Measurement
adth	Depth		

MAIN 6 RD RD 7 8



29/3/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B

191644

Serial No. ..... From ..... To .....

Name of work .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1783140=00			IT	33663	
		259363=00			IST	71326	
					IST	106988	
		1523777=00			Cue	17831	
					CBR	1783	
					Roy	25772	
					Total	259363=00	